



CITY OF ABERDEEN ELECTRICAL DEPARTMENT

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CHAPTER 15.36 CITY OF ABERDEEN ELECTRICAL CODE

Effective October 31, 2009

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15.36.010 Adoption of Code. Chapter 296-46B of the Washington Administrative Code, and the codes and standards adopted by reference therein, are adopted as the electrical and telecommunications code of the City of Aberdeen, subject to the provisions of this chapter and the following modification: Aluminum or steel flexible conduit as defined in the National Electrical Code, Article 350, shall be prohibited for all outside, damp, or wet locations. A copy of each code adopted by reference in WAC 296-46B shall be placed on file in the office of the Finance Director for public inspection and use.

15.36.020 Conflict of Provisions. In any instance where this requires an equal, higher, or better standard of materials, devices, appliances, and equipment than that required by the codes adopted by reference in WAC 296-46B, the terms of this chapter shall govern. In all other cases where the provisions of this chapter conflict with a provision of Chapter 296-46B adopted by reference herein, the terms of this chapter shall govern.

15.36.030 Electrical Inspector--Duties. An electrical inspector shall be appointed by the Director of Public Works and, together with such inspectors or assistants as may be hired by the City, is authorized and directed to enforce all of the provisions of this chapter.

15.36.040 Aluminum Conductors. The use of aluminum conductors is prohibited unless otherwise approved for a specific use by the electrical inspector.

15.36.060 Electric Fence. It shall be unlawful for any owner, lessee, or person in possession of any building or property, to construct, maintain, place, or allow to be constructed, maintained, or placed on, about or upon such building or property, any fence, barrier, partition or obstruction electrically charged or connected with an electrical source in such manner as to transmit an electrical charge to persons, animals or things which might come in contact therewith.

15.36.070 Stop Orders. Whenever any work is being done contrary to the provisions of this ordinance the electrical inspector may order such work stopped by notice in writing served on any person engaged in doing or causing such work to be done, and such person shall forthwith stop such work until authorized by the electrical inspector to proceed with the work.

15.36.080 Licenses Required. No person or persons except those duly licensed by the State of Washington and having a City Business License or the owner shall do any wiring regulated by City ordinances upon any premises within the City or City-owned property or right-of-way.

15.36.090 Permit Required. No person, firm or corporation shall do any electrical wiring in the City, or cause the same to be done without first obtaining a separate electrical permit for each separate electrical project, building, or structure. The person, firm or corporation shall provide the City all information necessary for issuance of said permit. If work authorized by a permit is not started within one hundred eighty (180) days or is suspended or abandoned at any time for a period of one hundred eight (180) days said permit is null and void and before work can be started or recommenced, a new permit shall be obtained and one-half (1/2) of the permit fee paid.

15.36.100 Permit Fees.

- A. All inspection and permit fees shall be paid prior to connection by the serving utility. Electrical power connections to a mobile home shall not be made by the serving utility until an inspection of the tie-down installation has been made and approval given by the City Building Department. All inspection requests shall be made twenty-four hours (24) in advance.
- B. Inspection fees shall be as established by chapter 296-46B WAC, provided that double fees will be charged for:
 - 1. Installations that are covered or concealed before inspection.
 - 2. Failure to obtain a permit prior to beginning the installation or alteration, or failure to obtain permits for emergency repairs to existing systems by the next business day after beginning the emergency repair.

ELECTRICAL INSPECTION FEE SCHEDULE

[WAC 296-46B-906] Inspection fees.

To calculate the inspection fees, the amperage is based on the conductor ampacity or the overcurrent device rating. The inspection fees shall be calculated from sections (1) through (5) below. However, the total fee must not be less than the number of progress inspection (one-half hour) units times the progress inspection fee rate from subsection (8) progress inspections below.

The amount of the fee due is calculated based on the fee effective date of a department assessed fee (e.g. plan review or fee due) or when the electrical permit is purchased.

(1) RESIDENTIAL

(a) Single and two family residential (New Construction)

NOTE: (1) *Square footage* is the area included within the surrounding exterior walls of a building exclusive of any interior courts. (This includes any floor area in an attached garage, basement, or unfinished living space.)

(2) *“Inspected with the service”* means that a separate service inspection fee is included on the same electrical work permit and

(3) *“Inspected at the same time”* means all wiring is to be ready for inspection during the initial inspection trip.

(4) An *“outbuilding”* is a structure that serves a direct accessory function to the residence, such as a pump house or storage building. Outbuilding does not include buildings used for commercial type occupancies or additional dwelling occupancies.

(i) First 1300 square feet or less\$76.70

Each additional 500 square feet or portion of.....\$24.60

(ii) Each outbuilding or detached garage inspected
at the same time as a dwelling unit on the property.....\$32.00

(iii) Each outbuilding or detached garage
inspected separately\$50.60

(iv) Each swimming pool - inspected with the service.....\$50.60

(v) Each swimming pool - inspected separately\$76.70

(vi) Each hot tub, spa, or sauna - inspected with the service.....\$32.00

- (vii) Each hot tub, spa, or sauna - inspected separately\$50.60
- (viii) Each septic pumping system - inspected with the service\$32.00
- (ix) Each septic pumping system - inspected separately\$50.60

(b) **Multi-family residential and miscellaneous residential structures, services and feeders (New Construction)**

Each service and/or feeder

<u>Ampacity</u>	<u>Service/Feeder</u>	<u>Additional Feeder</u>
0-200	\$82.70.....	\$24.60
201-400	\$102.80.....	\$50.60
401-600	\$141.20.....	\$70.30
601-800	\$181.20.....	\$96.50
801 and Over.....	\$258.40.....	\$193.80

(c) **Single family or multi-family altered services including circuits:**

- (i) Each altered service and/or altered feeder

<u>Ampacity</u>	<u>Service or Feeder</u>
0-200.....	\$70.30
201-600.....	\$102.80
601 and over.....	\$155.00

- (ii) Maintenance or repair of meter or mast
(no alterations to service or feeder)\$38.10

(d) **Single or multi-family residential circuits only (no service inspection)**

NOTE: *Altered or added circuit fees are calculated per panelboard. Total cost of the alterations in an individual panel should not exceed the cost of a complete altered service or feeder of the same rating, as shown in subsection (1) Residential (c) (table) above.*

- (i) One to four circuits (see Note).....\$50.60
- (ii) Each additional circuit (see Note).....\$5.50

- (e) **Mobile homes, modular homes, mobile home parks, and RV parks**
 - (i) Mobile home or modular home service or feeder only\$50.60
 - (ii) Mobile home service and feeder\$82.70
- (f) **Mobile home park sites and RV parks sites**

NOTE: For master service installations, see subsection (2) Commercial/Industrial

- (i) First site service or site feeder\$50.60
- (ii) Each additional site service; or additional site feeder inspected at the same time as the first service or feeder\$32.00

(2) **COMMERCIAL/INDUSTRIAL**

- (a) **New service or feeder, and additional new feeders inspected at the same time (includes circuits)**

NOTE: For large **COMMERCIAL/INDUSTRIAL** projects that include multiple feeders, “inspected at the same time” can be interpreted to include additional inspection trips for a single project. The additional inspections must be for electrical work specified on the permit at the time of purchase. The permit fee for such projects shall be calculated using this section. However, the total fee shall not be less than the number of progress inspection (one-half hour) units times the progress inspection fee rate from subsection (8) **PROGRESS INSPECTIONS** of this section.

- (i) Service/feeders

<u>Ampacity</u>	<u>Service/Feeder</u>	<u>Additional Feeder</u>
0-100.....	\$82.70	\$50.60
101-200.....	\$100.70	\$64.40
201-400.....	\$193.80	\$76.70
401-600.....	\$225.90	\$90.20
601-800.....	\$292.10	\$122.90
801-1000.....	\$356.60	\$148.70
1001 and over	\$389.00	\$207.50

(b) **Altered services or feeders (no circuits)**

(i) Service/feeders

<u>Ampacity</u>	<u>Service or Feeder</u>
0-200	\$82.70
201-600	\$193.80
601-1000	\$292.10
1000 and over	\$324.40

- (ii) Maintenance or repair of meter or mast
(no alteration to the service or feeder)\$70.30

(c) **Circuits only**

NOTE: *Altered/added circuit fees are calculated per panelboard. Total cost of the alterations in a panel (or panels) should not exceed the cost of a new feeder (or feeders) of the same rating, as shown in subsection (2) COMMERCIAL/INDUSTRIAL 2 (a) table above.*

- (i) First five circuits per branch circuit panel\$64.40
- (ii) Each additional circuit per branch circuit panel\$5.50
- (d) Over 600 volts surcharge per permit.....\$64.40

(3) **TEMPORARY SERVICES**

NOTE: 1) See WAC 296-46B-590 for information about temporary installations.

2) *Temporary stage or concert inspections requested outside of normal business hours will be subject to the portal-to-portal hourly fees in subsection (11) OTHER INSPECTIONS. The fee for such after hours inspections shall be the greater of the fee from this subsection or the portal-to-portal fee.*

(a) **Temporary services, temporary stage, or concert productions.**

<u>Ampacity</u>	<u>Service or Feeder</u>	<u>Additional Feeder</u>
0 to 60.....	\$44.30	\$22.70
61 to 100.....	\$50.60	\$24.60
101 to 200.....	\$64.40	\$32.00
201 to 400.....	\$76.70	\$38.20
401 to 600.....	\$102.80	\$50.60
601 and Over.....	\$116.60	\$58.10

(4) **IRRIGATION MACHINES, PUMPS, AND EQUIPMENT**

- (a) Irrigation Machines
 - (i) Each tower when inspected at same time as service and feeder from (2) COMMERCIAL/INDUSTRIAL\$5.50
 - (ii) Towers - when not inspected at same time as service and feeders - One to six towers.....\$76.70
 - (iii) Each additional tower\$5.50

(5) **MISCELLANEOUS** - commercial / industrial and residential

- (a) **A Class 2 low-voltage thermostat** and its associated cable controlling a single piece of utilization equipment or a single furnace and air conditioning combination.
 - (i) First thermostat\$38.20
 - (ii) Each additional thermostat inspected at the same the same time as the first.....\$11.90
- (b) **Class 2 or 3 low-voltage systems and telecommunications systems.** Includes all telecommunications installations, fire alarm, nurse call, energy management control systems, industrial and automation control systems, and similar Class 2 or 3 low energy circuits and equipment not included in WAC 296-46B-908 for Class B work.
 - (i) First 2500 square feet or less.\$44.30
 - (ii) Each additional 2500 square feet or portion thereof.....\$11.90
- (c) **Signs and outline lighting**
 - (i) First sign (no service included).....\$38.20
 - (ii) Each additional sign inspected at the same time, on same building or structure\$18.10
- (d) **Berth at a marina or dock**

NOTE: Five berths or more shall be permitted to have the inspection fees based on appropriate service and feeder fees from section (2) COMMERCIAL/ INDUSTRIAL above.

- (i) **Berth at a marina or dock**\$50.60
- (ii) Each additional berth inspected at the same time\$32.00

(e) **Yard pole, pedestal or other meter loops only**

- (i) Yard pole, pedestal or other meter loops only\$50.60
- (ii) Meters installed remote from the service equipment,
and inspected at the same time as a service,
temporary service or other installation\$11.90

(f) **Emergency inspections requested outside normal work hours.**

Regular fee plus surcharge of\$96.50

(g) **Generators**

NOTE: Permanently Installed Generators: Refer to appropriate residential or commercial new service or feeder section.

- (i) Portable Generators: Permanently installed transfer
equipment for portable generators\$70.30

(h) **Electrical Annual permit fee:**

NOTE: See WAC 296-46B-901 (14)

(i) For commercial/industrial location employing full-time electrical maintenance staff or having a yearly maintenance contract with a licensed electrical contractor. Note, all yearly maintenance contracts must detail the number of contractor electricians necessary to complete the work required under the contract. This number will be used as a basis for calculating the appropriate fee. Each inspection is based on a 2- hour maximum.

<u>Plant Electricians</u>	<u>Maximum Inspections</u>	<u>Fee</u>
1 to 3.....	12.....	\$1,857.30
4 to 6.....	24.....	\$3,716.50
7 to 12.....	36.....	\$5,574.40
13 to 25.....	52.....	\$7,433.60
More than 25.....	52.....	\$9,292.80

(i) **Telecommunications annual permit fee**

NOTES:

- 1) See WAC 296-46B-901 (13)
- 2) Annual inspection time required may be estimated by the purchaser at the rate for “OTHER INSPECTIONS” in this section, charged portal-to-portal per hour.

For commercial/industrial location employing full-time telecommunications maintenance staff or having a yearly maintenance contract with a licensed electrical/telecommunications contractor.

Two hour minimum.\$153.60

Each additional hour, or portion thereof, or portal-to-portal inspection time\$ 76.70

(j) **Permit requiring ditch cover inspection only.**

Each 1/2 hour, or portion thereof\$38.20

(k) **Cover inspection for elevator/conveyance installations.\$64.40**
This item is only available to a licensed/registered elevator contractor.

(6) CARNIVAL INSPECTIONS

(a) First carnival field inspection each year

(i) Each ride and generator truck\$18.10

(ii) Each remote distribution equipment,
concession or gaming show\$5.50

(iii) If the calculated fee for the first carnival field inspection above is less than \$87.00,
the minimum inspection fee shall be\$96.50

(b) Subsequent carnival inspections

(i) First ten (10) rides, concessions, generators,
remote distribution equipment or gaming show\$96.50

(ii) Each additional ride, concession, generator,
remote distribution equipment or gaming show\$5.50

(c) Concession(s) or ride(s) not part of a carnival.

(i) First field inspection each year of a single
concession or ride, not part of a carnival\$76.70

(ii) Subsequent inspection of a single concession
or ride, not part of a carnival.....\$50.60

(7) TRIP FEES

(a) Requests by property owners to inspect existing.....\$76.70
installations. (This fee includes a maximum of 1 hour

of inspection time. All inspection time exceeding 1 hour will be charged at the rate for progressive inspections.)

- (b) Submitter notifies the department that work is ready for inspection when it is not ready\$38.20
- (c) Additional inspection required because submitter has provided wrong address or incomplete, improper or illegible directions for the site if inspection\$38.20
- (d) More than one additional inspection required to inspect corrections; or for repeated neglect, carelessness, or improperly installed electrical work\$38.20
- (e) Each trip necessary to remove a noncompliance notice\$38.20
- (f) Corrections have not been made in the prescribed time, unless an exception has been requested and granted\$38.20
- (g) Installations that are covered or concealed inspection\$38.20

(8) PROGRESS INSPECTIONS

***Note:** The fees calculated in main sections (1) through (6) shall apply to all electrical work. This section is intended to be applied to a permit where the permit holder has requested additional inspections beyond the number supported by the permit fee calculated at the rate in (1) through (6).*

- (a) On partial or progress inspections, each one-half hour\$38.20

(9) PLAN REVIEW FEE:

- (a) Fee is thirty-five percent of the electrical work permit fee as determined by WAC 296-46B-906, plus a plan review submission and shipping/handling fee of\$64.40
- (b) Supplemental submissions of plans per hour or fraction of an hour\$76.70
- (c) Plan review shipping and handling fee\$18.10

**NOTE: SECTION (10) OUT-OF-STATE INSPECTIONS
 SECTION (11) OTHER INSPECTIONS
 SECTION (12) VARIANCE REQUEST PROCESSING FEE
 SECTION (13) MARKING OF INDUSTRIAL UTILIZATION EQUIPMENT
 SECTION (14) CLASS B BASIC ELECTRICAL WORK LABELS and
 SECTION (15) PROVISIONAL ELECTRICAL WORK PERMT LABELS
ARE NOT USED WITHIN THE CITY OF ABERDEEN**

15.36.110 Unsafe Wiring. If it is determined by the electrical inspector that unsafe wiring exists which constitutes a fire hazard or is otherwise dangerous to human life, safety or welfare, the electrical inspector shall be authorized to order the public utility district to disconnect or cause to be disconnected electrical service to the site of the hazard until the hazard is repaired or removed to the satisfaction of the electrical inspector. The electrical inspector shall, upon finding electrical hazard, do one of the following to cause removal of hazard:

- A. If in the opinion of the electrical inspector an extreme hazard exists, the inspector shall immediately have the service disconnected with or without prior notice to any party. Notice must be given within five (5) working days after the disconnect in writing specifying the reason for discontinuing service. The order by the electrical inspector to the public utility district may be verbal, but must be reduced to writing within five (5) working days after the verbal order and method of service on the owner shall be as specified in Section 15.48.090.
- B. Discontinue electrical service when the building or structure becomes vacant. Written notice to have service discontinued upon vacancy shall be given to the public utility district and owner as specified in Section 15.48.090.
- C. Discontinue electrical service when repairs and corrections have not been completed or made within a time limit as determined reasonable by the electrical inspector. Written notice shall be given to the public utility district and the owner as specified in Section 15.48.090.

15.36.120 Notice and Order. The Notice and Order shall contain the following:

- A. The notice shall be written except as otherwise provided in 15.36.100.
- B. The street address and a legal description sufficient for identification of the premises upon which the building, structure, or hazard is located.
- C. A statement that the electrical inspector has found a hazardous condition with a brief and concise description of the conditions found to render the determination.
- D. A statement of action required to be taken as determined by the electrical inspector.
- E. A statement of action that has been or will be taken if the hazardous condition is not removed.

- F. A statement advising that any person having any record title or legal interest in the building or structure may appeal from the Notice and Order any action of the electrical inspector to the Board of Appeals, provided the appeal is made in writing and filed with the electrical inspector within thirty (30) days from the date of service of such Notice and Order; and that failure to appeal will constitute a waiver of all right to an administrative hearing and determination of the matter.

15.36.130 Violations. Any person, firm, or corporation causing or permitting any electrical wiring, appliances, or equipment to be used or installed in violation of this ordinance, or in violation of the National Electrical Code as adopted, shall be guilty of a misdemeanor and, upon conviction, shall be punished by a fine not to exceed Five Hundred Dollars (\$500.00), or by imprisonment in the City jail for a period not to exceed ninety (90) days, or by both such fine and imprisonment. Each day that a violation continues shall constitute a separate offense. The punishment provided in this section shall be deemed supplementary to any other recourse available to the City in such cases.